

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS  
RN 9031-44-1 REGISTRY  
CN Kinase (phosphorylating) (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN **Kinase**  
CN Phosphoferase  
CN Phosphokinase  
CN Phosphopherase  
DR 9038-17-9  
MF Unspecified  
CI MAN  
LC STN Files: ADISNEWS, AGRICOLA, BIOBUSINESS, BIOSIS, BIOTECHNO, CA,  
CAPLUS, CEN, CIN, EMBASE, PROMT, TOXLIT, USPATFULL

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

603 REFERENCES IN FILE CA (1967 TO DATE)

9 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

605 REFERENCES IN FILE CAPLUS (1967 TO DATE)

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(FILE 'HOME' ENTERED AT 16:47:17 ON 29 OCT 2001)

L1 FILE 'REGISTRY' ENTERED AT 16:47:26 ON 29 OCT 2001  
1 SEA ABB=ON PLU=ON KINASE/CN  
D

FILE 'HCAPLUS' ENTERED AT 16:48:32 ON 29 OCT 2001

L2 FILE 'REGISTRY' ENTERED AT 16:48:36 ON 29 OCT 2001  
SET SMARTSELECT ON  
SEL PLU=ON L1 1- CHEM : 7 TERMS  
SET SMARTSELECT OFF

L3 FILE 'HCAPLUS' ENTERED AT 16:48:37 ON 29 OCT 2001  
170825 SEA ABB=ON PLU=ON L2  
L4 38511 SEA ABB=ON PLU=ON L3 (L) (HUMAN OR MAN)  
L5 9509 SEA ABB=ON PLU=ON L4 (L) (POLYNUCLEOTIDE OR DNA OR CDNA OR  
NUCLEIC ACID OR NUCLEOTIDE)  
L6 887 SEA ABB=ON PLU=ON L5 (L) (VECTOR OR HOST)  
L7 7656 SEA ABB=ON PLU=ON L5 AND PD<19991207  
L8 4712 SEA ABB=ON PLU=ON L7 AND GENE

=> d ti 1-40

- L8 ANSWER 1 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
TI DNA encoding human and mouse opioid receptors
- L8 ANSWER 2 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
TI Cloning and cDNA and deduced amino acid sequences of 186 human secreted proteins
- L8 ANSWER 3 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
TI Purification and characterization of human stimulus-inducible I.kappa.B kinase (IKK) signalsome and possible use of IKK for the treatment of diseases associated with NF-.kappa.B activation
- L8 ANSWER 4 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
TI Vascular smooth muscle cell LIM promoter which regulates cell-specific transcription, and therapeutic uses thereof
- L8 ANSWER 5 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
TI Human and mouse **gene** Int6 protein and cDNA sequences, and cancer diagnosis, therapy, and vaccination
- L8 ANSWER 6 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
TI Cloning and characterization of a **gene** for a tyrosine phosphorylation-stimulating ligand, VEGF-C, for the FLT4 receptor tyrosine kinase
- L8 ANSWER 7 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
TI Antisense oligonucleotides for JNK nucleic acids and their use as antitumor agents in mice, rats, and humans
- L8 ANSWER 8 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
TI An endogenous ligand for Flt4 kinase and a cDNA encoding it and their use
- L8 ANSWER 9 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
TI Cloning and genetic mapping of human ataxia-telangiectasia **gene** (ATM) and diagnosis of the disease by mutation detection
- L8 ANSWER 10 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
TI Cloning and characterization of cell-cycle regulatory protein **genes** and their therapeutic uses
- L8 ANSWER 11 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
TI Recombinant adenoviral vectors and their use for **gene** therapy of tumors
- L8 ANSWER 12 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
TI 9-(2-Hydroxypropyl)adenine: a novel fraudulent substrate of HSV1-thymidine kinase. An interdisciplinary study
- L8 ANSWER 13 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
TI Cloning and recombinant production of vertebrate activin receptors
- L8 ANSWER 14 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
TI Human cyclin-dependent protein kinases PITALRE and PISSLRE and phosphorylation-deficient mutants and their pharmaceutical use
- L8 ANSWER 15 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
TI Human aging from cellular senescence
- L8 ANSWER 16 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
TI DNA methylation changes and multiple myeloma
- L8 ANSWER 17 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
TI Kinase capable of site-specific phosphorylation of I.kappa.B.alpha.
- L8 ANSWER 18 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
TI Identification of seven **genes** regulated by wild-type p53 in a colon cancer cell line carrying a well-controlled wild-type p53 expression

system

- L8 ANSWER 19 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
TI The protein binding domains of the kinase anchoring protein gravin
- L8 ANSWER 20 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
TI Expression of **genes** related to apoptosis induced by tricosanthin
- L8 ANSWER 21 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
TI DNA replication-regulating cdc6 **genes** of human and *Xenopus laevis*
- L8 ANSWER 22 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
TI The role of mismatch repair in DNA damage-induced apoptosis
- L8 ANSWER 23 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
TI Receptor tyrosine kinase, an autapomorphic character of Metazoa: identification in marine sponges
- L8 ANSWER 24 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
TI Indirect semiquantitative determination of p34cdc2 levels in G1 and G2 cells of the carbohydrate-starved root meristems in *Vicia faba* var. minor
- L8 ANSWER 25 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
TI Human and mouse transcriptional repressor Bap-1 proteins
- L8 ANSWER 26 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
TI Cloning, sequences and therapeutic use of protein kinases of the casein kinase I HRR25 family of yeast and human
- L8 ANSWER 27 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
TI The ATM **gene** and stress response
- L8 ANSWER 28 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
TI Molecular cloning and characterization of specific **genes** involved in cellular senescence
- L8 ANSWER 29 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
TI Structure and polymorphism of two stress-activated protein kinase **genes** centromeric of the MHC: SAPK2a and SAPK4
- L8 ANSWER 30 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
TI Cloning and characterization of the human novel **gene** encoding 6.2 kDa protein highly expressed upon ultraviolet irradiation in DNA-PK-deleted human glioma M059J cells
- L8 ANSWER 31 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
TI Inhibition of interleukin 2 signaling and signal transducer and activator of transcription (STAT)5 activation during T cell receptor-mediated feedback inhibition of T cell expansion
- L8 ANSWER 32 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
TI *Caenorhabditis elegans* contains structural homologs of human prk and plk
- L8 ANSWER 33 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
TI Complete genomic sequence of the human PK-L/R-**gene** includes four intragenic polymorphisms defining different haplotype backgrounds of normal and mutant PK-**genes**
- L8 ANSWER 34 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
TI Genomic DNA amplification and the detection of t(2;5)(p23;q35) in lymphoid neoplasms
- L8 ANSWER 35 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
TI Human melanoma differentiation-associated **gene** mda-6 and its use in screening for antitumor agents and monitoring cancer treatment
- L8 ANSWER 36 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
TI Molecular cloning of the human methylthioadenosine phosphorylase processed

pseudogene and localization to 3q28

L8 ANSWER 37 OF 4712 HCAPLUS COPYRIGHT 2001 ACS

TI Relationship of dibenzo[a,l]pyrene-DNA binding to the induction of p53, p21WAF1 and cell cycle arrest in human cells in culture

L8 ANSWER 38 OF 4712 HCAPLUS COPYRIGHT 2001 ACS

TI Compositions containing nucleic acids and ligands for therapeutic treatment

L8 ANSWER 39 OF 4712 HCAPLUS COPYRIGHT 2001 ACS

TI Protein and cDNA sequences encoding YAP (Yes-associated protein) which binds to the SH3 domain of Yes kinase

L8 ANSWER 40 OF 4712 HCAPLUS COPYRIGHT 2001 ACS

TI I.kappa.B kinase-.alpha. and -.beta. **genes** are coexpressed in adult and embryonic tissues but localized to different human chromosomes

L8 ANSWER 41 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
 TI p53 tumor suppressor **gene**: its role in DNA damage response and cancer

L8 ANSWER 42 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
 TI Extracellular signal-regulated kinase, sequences, and methods of production and use

L8 ANSWER 43 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
 TI Abnormality of fibroblast growth factor receptor **gene** type I in tumor tissues

L8 ANSWER 44 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
 TI Kinase receptor activation ELISA assay

L8 ANSWER 45 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
 TI Association of src-kinase Lyn and non-src-kinase Syk with the granulocyte colony-stimulating factor receptor (G-CSFR) is not abrogated in neutrophils from severe congenital neutropenia patients with point mutations in the G-CSFR mRNA

L8 ANSWER 46 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
 TI Truncated form of .beta.-catenin and reduced expression of wild-type catenins feature HepG2 human liver cancer cells

L8 ANSWER 47 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
 TI Cloning of cDNA for hypertension-related **gene** of rats and human for drug development

L8 ANSWER 48 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
 TI Control of DAF-7 TGF-.beta. expression and neuronal process development by a receptor tyrosine kinase KIN-8 in Caenorhabditis elegans

L8 ANSWER 49 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
 TI A Novel Ribosomal S6-Kinase (RSK4; RPS6KA6) Is Commonly Deleted in Patients with Complex X-Linked Mental Retardation

L8 ANSWER 50 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
 TI Chromosomal Localization of Phospholipase A2 Activating Protein, an Ets2 Target **Gene**, to 9p21

L8 ANSWER 51 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
 TI Pl6INK4a expression adenovirus vector to suppress pancreas cancer cell proliferation

L8 ANSWER 52 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
 TI Raf-like Ras/Rap-binding domains in RGS12-and still-life-like signalling proteins

L8 ANSWER 53 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
 TI Serine 157, a retinoic acid receptor .alpha. residue phosphorylated by protein kinase C in vitro, is involved in RXR.cntdot.RAR.alpha. heterodimerization and transcriptional activity

L8 ANSWER 54 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
 TI Deletion of the carboxyl-terminal exons of K-sam/fgfr2 by short homology-mediated recombination, generating preferential expression of specific messenger RNAs

L8 ANSWER 55 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
 TI Effect of p53 tumor suppressor on nucleotide excision repair in human colon carcinoma cells treated with 4-nitroquinoline 1-oxide

L8 ANSWER 56 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
 TI A novel human nucleoside diphosphate (NDP) kinase, Nm23-H6, localizes in mitochondria and affects cytokinesis

L8 ANSWER 57 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
 TI A testis-specific **gene**, TPTE, encodes a putative transmembrane

tyrosine phosphatase and maps to the pericentromeric region of human chromosomes 21 and 13, and to chromosomes 15, 22, and Y

L8 ANSWER 58 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
 TI NF- $\kappa$ B activation by a signaling complex containing TRAF2, TANK and TBK1, a novel IKK-related kinase

L8 ANSWER 59 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
 TI  $\gamma$ -Heregulin: a fusion **gene** of DOC-4 and neuregulin-1 derived from a chromosome translocation

L8 ANSWER 60 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
 TI Isolation and characterization of Xenopus ATM (X-ATM): expression, localization, and complex formation during oogenesis and early development

L8 ANSWER 61 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
 TI Impaired nucleotide excision repair in UV-irradiated human oral keratinocytes immortalized with type 16 human papillomavirus genome

L8 ANSWER 62 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
 TI MKP5, a new member of the MAP kinase phosphatase family, which selectively dephosphorylates stress-activated kinases

L8 ANSWER 63 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
 TI Sensitization of cancer cells to DNA damage-induced cell death by specific cell cycle G2 checkpoint abrogation

L8 ANSWER 64 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
 TI Identification of differentially expressed **genes** during a wool follicle growth cycle induced by prolactin

L8 ANSWER 65 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
 TI Interaction of the Ras-related protein associated with diabetes Rad and the putative tumor metastasis suppressor NM23 provides a novel mechanism of GTPase regulation

L8 ANSWER 66 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
 TI Role of Gadd45 in apoptosis

L8 ANSWER 67 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
 TI Evidence for interaction between human PRUNE and nm23-H1 NDPKinase

L8 ANSWER 68 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
 TI Tumour suppressive properties of fibroblast growth factor receptor 2-IIIb in human bladder cancer

L8 ANSWER 69 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
 TI CSF-1 activates MAPK-dependent and p53-independent pathways to induce growth arrest of hormone-dependent human breast cancer cells

L8 ANSWER 70 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
 TI Expression of DNA methyl-transferase (DMT) and the cell cycle in human breast cancer cells

L8 ANSWER 71 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
 TI Tob2, a novel anti-proliferative Tob/BTG1 family member, associates with a component of the CCR4 transcriptional regulatory complex capable of binding cyclin-dependent kinases

L8 ANSWER 72 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
 TI Potent inhibitors of cyclin-dependent kinase 2 induce nuclear accumulation of wild-type p53 and nucleolar fragmentation in human untransformed and tumor-derived cells

L8 ANSWER 73 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
 TI Transcriptional activation of the human manganese superoxide dismutase **gene** mediated by tetradecanoylphorbol acetate

L8 ANSWER 74 OF 4712 HCAPLUS COPYRIGHT 2001 ACS

•TI Heterozygous germ line hCHK2 mutations in Li-Fraumeni syndrome

L8 ANSWER 75 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
 TI Extracellular calcium stimulates DNA synthesis in synergism with zinc, insulin and insulin-like growth factor I in fibroblasts

L8 ANSWER 76 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
 TI Signal pathways involved in apigenin inhibition of growth and induction of apoptosis of human anaplastic thyroid cancer cells (ARO)

L8 ANSWER 77 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
 TI Down regulation of the expression of the p110, p85 and p55 subunits of phosphatidylinositol 3-kinase during colon cancer cell anchorage-independent growth

L8 ANSWER 78 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
 TI Altered oncogene, tumor suppressor and cell-cycle **gene** expression in PANC-1 cells cultured with the pleiotropic 5-lipoxygenase inhibitor, MK886, assessed with a **gene** chip

L8 ANSWER 79 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
 TI Chromium(VI) inhibits the transcriptional activity of nuclear factor- $\kappa$ B by decreasing the interaction of p65 with cAMP-responsive element-binding protein-binding protein

L8 ANSWER 80 OF 4712 HCAPLUS COPYRIGHT 2001 ACS  
 TI The Mouse SHIP2 (Inpp11) **Gene**: Complementary DNA, Genomic Structure, Promoter Analysis, and **Gene** Expression in the Embryo and Adult Mouse